

09-29-00

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EL360934153US

Patent  
257/292

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

JOHNNY GOLDBERG

Serial No.:

Filed: September 28, 2000

For: A Stationary Exercise Bicycle

Group Art Unit:

Examiner:

JC564 U.S. PTO  
09/672197  
09/28/00

TRANSMITTAL LETTER

BOX PATENT APPLICATION

Commissioner for Patents

Washington, D.C. 20231

Sir:

Transmitted herewith via Express Mail No. EL360934153US is a CONTINUATION APPLICATION pursuant to 37 C.F.R. § 1.53(b) and corresponding transmittal sheets; RECORDATION FORM COVER SHEET and supporting documents for the recordation of the assignment; STATEMENT UNDER 37 C.F.R. 3.73(b) and supporting documents; a copy of the change in the POWER OF ATTORNEY submitted in parent application Serial No. 09/019,352

CERTIFICATE OF MAILING  
(37 C.F.R. §1.10)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as 'Express Mail Post Office To Addressee' in an envelope addressed to Office of Petitions, Commissioner for Patents, Box DAC, Washington, DC 20231.

EL360934153US

Express Mail Label No.

September 28, 2000

Date of Deposit

Debbie Gilbert

Name of Person Mailing Paper

*Debbie Gilbert*

Signature of Person Mailing Paper

submitted for the presently attached application; and a copy of the OATH of the Inventor submitted in the patent application Serial No. 09/019,352 submitted for the presently attached application.

Also attached is PTO Form 1449 submitted in accordance with the Applicant's duty of disclosure under 37 C.F.R. 1.56 and 1.97-1.98. This Form is filed in accordance with 37 C.F.R. 1.97(b)(1), (3), within three months of the filing of the application and prior to issuance of the First Office Action on the merits. Thus, no petition or fee is required. The patents, publication and other information disclosed in the attached PTO Form 1449 were previously submitted to the Office in the parent applications Serial Nos. 09/019,352; 08/736,976; 08/391,438; 07/969,765, on which this application relies for an earlier filing date under 35 U.S.C. § 120. Accordingly, pursuant to 37 C.F.R. 1.98(d), copies of the previously cited or submitted patents, publications, and other information listed in the attached PTO Form 1449 are not attached.

The items identified in the PTO Form 1449 may or may not be "material" pursuant to 37 C.F.R. § 1.56 and the submission thereof by Applicant shall not be construed as an admission that any such patent, publication or other information referred to therein is material or considered to be material (37 CFR § 1.97(h)), or even qualifies as "prior art" under 35 USC § 102 with respect to this invention unless specifically designated by Applicant as such.

The filing of this PTO Form 1449 shall not be construed to mean that a search has been made or that no other material information, as defined in 37 CFR § 1.56, exists.

Enclosed herewith is a check in the amount of \$730 bearing check # 12813. The Commissioner is hereby authorized to charge Lyon & Lyon's Deposit Account No. **12-2475** for any additional fees which may be required, or credit any payment of any fees associated with this communication.

Respectfully submitted,

LYON & LYON LLP

Dated: September 28, 2000

By: Laura M. Burson  
Laura M. Burson  
Reg. No. 40,929

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Los Angeles, California 90071-2066  
(213) 489-1600

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.: 257/292  
 First Named Inventor: Goldberg  
 Prior Application Information:  
 Serial No. 09/019,352  
 Examiner: S. Crow  
 Art Unit: 3764

BOX PATENT APPLICATION  
 Commissioner for Patents  
 Washington, D. C. 20231

## FILING UNDER 37 CFR § 1.53(b)

This is a request for filing for a

☒ continuation ☐ divisional ☐ continuation-in-part (CIP)

application under 37 CFR § 1.53(b) of pending prior application Serial No. 09/019,352 filed on February 5, 1998.

**Johnny Goldberg, entitled:**

**Stationary Exercise Bicycle**

For CONTINUATION or DIVISION APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied, referenced above, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## I. APPLICATION ELEMENTS ENCLOSED

9 Page(s) of Written Description  
4 Page(s) of Claims  
1 Page(s) of Abstract  
5 Sheet(s) of Drawings ☒ formal ☐ informal  
 \_\_\_\_\_ Page(s) of ☐ Declaration or ☒ Declaration and Power of Attorney  
                   ☒ Copy from prior application [37 CFR §1.63(d)]  
                   ☐ Newly executed  
 \_\_\_\_\_ Other:

CERTIFICATE OF MAILING  
 (37 C.F.R. §1.10)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as 'Express Mail Post Office To Addressee' in an envelope addressed to the Commissioner for Patents, Washington, D.C. 20231.

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September 28, 2000  
 Date of Deposit

Debbie Gilbert

Name of Person Mailing Paper

*Debbie Gilbert*

Signature of Person Mailing Paper



- ☒ Assignment papers (cover sheet and documents(s))
- ☒ An Information Disclosure Statement, PTO 1449, ☐ with copies of cited items.
- ☐ A Verified Statement to establish small entity under 37 CFR §§ 1.9 and 1.27: ☐ Is attached. ☐ Has been filed in the prior application and such status is still proper and desired. [37 CFR § 1.28(a)]

**II. FEE CALCULATION**

<b>BASIC FILING FEE:</b>					\$690.00
Total Claims	-	20	=	0 x \$18.00	\$0.00
Independent Claims	-	3	=	0 x \$78.00	\$0.00
Multiple Dependent Claims	\$260	(if applicable)		<input type="checkbox"/>	\$0.00
<b>TOTAL OF ABOVE CALCULATIONS</b>					\$690.00
Reduction by ½ for Filing by Small Entity. Note 37 CFR §§ 1.9, 1.27, 1.28. If applicable, Verified Statement must be attached.					\$0.00
Misc. Filing Fees (Recordation of Assignment)					\$40.00
<b>TOTAL FEES DUE HEREWITH</b>					\$730.00

**III. PRIORITY - 35 USC § 119**

- ☐ Priority of application Serial No. \_\_\_\_\_ filed on \_\_\_\_\_ in Country is claimed under 35 USC § 119.
- ☐ The certified copy has been filed in prior U.S. application Serial No. \_\_\_\_\_ on \_\_\_\_\_.
- ☐ The certified copy will follow.

**IV. AMENDMENTS**

- ☒ Cancel in this application original Claims 11-16 of the prior application before calculating the filing fee. (At least one original independent claim must be retained for filing purposes if no new claims are added in a preliminary amendment.)
- ☐ A Preliminary Amendment is enclosed. (Claims added by Amendment must be numbered consecutively beginning with the number next following the highest numbered original claim in the prior application.)

**V. RELATE BACK - 35 USC § 120**

- ☒ Relate back information included in preliminary amendment or specification.
- ☐ Please amend the specification as follows:  
[Enter continuing data here]
- ☒ With respect to the prior co-pending U.S. application from which this application claims benefit under 35 USC § 120, the inventor(s) in this application is (are) [37 CFR 1.53(b)(1)]:
- ☒ the same.
- ☐ less than those named in the prior application and it is requested that the following inventor(s) identified above for the prior application be deleted [see 37 CFR §§1.33(b) AND 1.63(d)(2)]:  
[Name(s) of inventor(s) to be deleted]

**VI. FEE PAYMENT BEING MADE AT THIS TIME**

- ☐ Not attached. No filing fee is submitted. [This and the surcharge required by 37 CFR § 1.16(e) can be paid subsequently.]
- ☒ Attached.
- |   |              |
|---|--------------|
| <input checked="" type="checkbox"/> Filing fees.  | <u>\$690</u> |
| <input checked="" type="checkbox"/> Recording assignment. [\$40.00 37 CFR § 1.21(h)(1)]   | <u>\$40</u>  |
| <input type="checkbox"/> Petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached.<br>[\$130.00; 37 CFR §§ 1.47 and 1.17(h)] |              |
| <input type="checkbox"/> Petition fee to Suspend Prosecution for the Time Necessary to File an Amendment (New Application Filed Concurrently.)<br>[\$130.00; 37 CFR §§ 1.103 and 1.17(i)]                           |              |
| <input type="checkbox"/> For processing an application with a specification in a non-English language.<br>[\$130.00; 37 CFR §§ 1.52(d) and 1.17(k)]   |              |
| <input type="checkbox"/> Processing and retention fee.<br>[\$130.00; 37 CFR §§ 1.53(f) and 1.21(l)]   |              |

Total Fees Enclosed \$730**VII. METHOD OF PAYMENT OF FEES**

- ☒ Attached is a check in the amount of \$730.
- ☐ Charge Lyon & Lyon's Deposit Account No. **12-2475** in the amount of \_\_\_\_\_

**VIII. AUTHORIZATION TO CHARGE ADDITIONAL FEES**

The Commissioner is hereby authorized to credit Lyon & Lyon's Deposit Account No. **12-2475** for any over payment of fees and to charge the following additional fees by this paper and during the entire pendency of this application to Deposit Account No. **12-2475**:

- ☒ 37 CFR § 1.16 (Filing fees and excess claims fees)
- ☒ 37 CFR § 1.17 (Application processing fees)
- ☐ 37 CFR § 1.18 (Issue fee at or before mailing of Notice of Allowance, pursuant to 37 CFR § 1.311(b))
- ☒ 37 CFR § 1.21 (Assignment recordation fees)

**IX. POWER OF ATTORNEY & CORRESPONDENCE ADDRESS**

- ☒ The power appears in the original papers in the prior application. Copy attached.
- ☐ The power does not appear in the original papers, but was filed on \_\_\_\_ in prior application Serial No. \_\_\_\_.
- ☐ A new power has been executed and is attached.

Please send all correspondence to Customer Number 22249:



LYON & LYON LLP  
Suite 4700  
633 W. Fifth Street  
Los Angeles, CA 90071

Please direct all inquiries to Laura M. Burson, at 213-489-1600.

**X. MAINTENANCE OF CO-PENDENCY OF PRIOR APPLICATION**

- ☐ A petition, fee and response has been filed to extend the term in the pending **prior** application until \_\_\_\_\_. A copy of the petition for extension of time in the **prior** application is attached.
- ☐ A conditional petition for extension of time is being filed in the pending **prior** application. A copy of the conditional petition for extension of time in the **prior** application is attached.

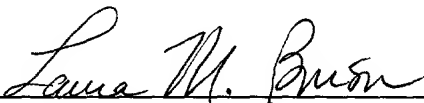
**XI. ABANDONMENT OF PRIOR APPLICATION**

- ☐ Please abandon the prior application at a time while the prior application is pending or when the petition for extension of time or to revive in that application is granted and when this application is granted a filing date so as to make this application co-pending with said prior application. At the same time, please add the words "now abandoned" to the amendment of the specification set forth in Item V above.

Respectfully submitted,

LYON & LYON LLP

Dated: September 28, 2000

By:   
Laura M. Burson  
Reg. No. 40,929

Enclosures

Mad Dogg Athletics, Inc.  
Name of Assignee

2111 Narcisus Court  
Venice, California 90291  
Address of Assignee

President/CEO  
Title of person authorized to sign on behalf of assignee



## A STATIONARY EXERCISE BICYCLE

### Cross Reference To Related Applications

This is a continuation application of application Serial No. 09/019,352, filed on February 2, 1998, which is a continuation of Serial No. 08/736,976, filed on October 25, 1996, now U.S. Patent No. 5,722,916 to Johnny Goldberg which is a continuation of application Serial No. 08/391,438, filed on February 21, 1995, now abandoned, which is a continuation of Serial No. 07/969,765, filed on October 30, 1992, now U.S. Patent 5,423,728 to Johnny Goldberg.

### Background

Having a stationary exercise bicycle capable of simulating mountain bike riding is valuable.

This invention relates to a stationary exercise bicycle which is sturdy and comfortable for use during extended periods of pedaling while standing or sitting or a combination thereof and thus capable of meeting the needs of the more demanding rider.

In recent years, the popularity of the stationary exercise bicycle has increased dramatically together with the fitness craze. Stationary exercise bicycles are conventionally made with straight, brazed round tubing. A problem associated with using the round tubing in these bicycles is their propensity for fragility. They easily snap under increased stress, for example, during periods when the rider is pedaling in a standing position or in an alternating standing and sitting pedaling position. Also, the

bicycle structure does not provide for the best flexibility according to the preferences of the rider.

There is a need to provide stationary exercise bicycle which is more durable and overcomes the problems of the prior art.

## 5 Summary

The invented stationary exercise bicycle seeks to avoid the disadvantages associated with conventional stationary exercise bicycles.

According to the invention, the stationary exercise bicycle comprises a stable frame. Additionally, the frame comprises a front socket and a rear socket, and front and rear ground support elements. Also provided is a pedal mechanism on said frame.

Also, the bicycle comprises a detachable seat socket. A seat is mounted on a seat socket at a level above the pedal mechanism. The seat is mounted for movement fore and aft relative to the seat socket and upwardly and downwardly relative to the pedal mechanism.

Additionally, the stationary exercise bicycle comprises a handlebar mounted in the front socket. The handlebar includes at least two different handle means. One handle means includes spaced apart and outwardly directed elements. The second handle means includes an element inwardly located relative to the first handle means.

Further, in one preferred form, the frame comprises at least multiple upstanding posts. The posts are inter-engaging to form at least one triangulated structure between the ground support elements and one of the sockets.

Additionally, at least part of the front socket, rear socket, or seat socket are formed with a hollow member having a cross-section which is non-cylindrical.

The pedal mechanism may include a cog operative with an endless chain having slots for engagement with the cog. A ring guard is provided and protective of at least the interaction of the teeth of the cog with the endless chain. The ring guard is located internally of the perimeter defined by the endless chain.

5       The invented stationary exercise bicycle is strong and comfortable for the rider. Moreover, it is stress-resistant so that it can be used by the rider in a standing position or in an alternating standing and sitting pedaling position for extended periods. Riders of this bicycle can simulate the aerobic effect of mountain bike racing.

10       Additionally, the invented stationary exercise bicycle is mobile and the parts easily replaceable. Unlike conventional stationary exercise bicycles, the present invention utilizes regular bicycle components. The user can replace certain parts from conventional bicycle shops and thus service the present invention with conventional bicycle componentry. Further, unlike prior art stationary exercise bicycles, the present invention has four basic parts which are detachable and can be placed in a portable  
15       transport carrier for mobility.

The invention is now further described with reference to the accompanying drawings.

### Drawings

Figure 1 is an isometric view of a frame for a stationary exercise bicycle;

20       Figure 2 is an isometric view of the pedal mechanism and a flywheel, both shown in phantom, including the ring guard, cog, and endless chain;

Figure 3 is a detailed view of the ring guard in relation to the cog and frame;

Figure 4 is an isometric view of the front fork triangle and an upstanding post;

Figure 5 is an isometric view of the seat socket and the connective member;

Figures 6A, 6B, and 6C are isometric, front and side views, respectively, of the adjustable and detachable handlebar including the forwardly extending prongs, the lateral bar, and the element inwardly located relative to the forwardly extending prongs;

5 Figure 7 is an isometric view of the triangulated structure portion of the frame;  
and

Figure 8 is an Isometric view of an alternative frame.

### Description

A stationary exercise bicycle comprises a frame 1 or 24. The frame has front 2 and rear 3 ground support elements, a front socket 4 and a rear socket 5 and a pedal mechanism 6. The rear socket 5 is capable of receiving a seat socket 12. Further, a seat 20 may be mounted on the seat socket 12 at a level above the pedal mechanism 6. The seat 20 is mounted for movement fore and aft relative to the seat socket 12 and upwardly and downwardly relative to the pedal mechanism 6.

15 This stationary exercise bicycle further comprises a handlebar 8 mounted in the front socket 4. The handlebar 8 includes at least two different handle means 9 and 10. One handle means includes spaced apart and outwardly directed elements 9. The second handle means includes an element inwardly located 10 relative to the first handle means.

20 The outwardly directed handle means 9 have forwardly extending prongs 9A and 9B which are directed axially away from the seat socket 12. The axially directed prongs 9A and 9B are connected with a lateral bar 11 of the handlebar 8 at one end and are free at an opposite end.

The inner handle means 10 is at least part of a closed ring. The ring is located between the outer handle prongs. Further, the ring is connected to a lateral bar 11 of the handlebar 8.

5 The closed ring may be a semi-circle. The axis for the semi-circle is located substantially about midway through the lateral bar 11 of the handlebar 8.

The handlebars have been designed with the user's handlebar position needs in mind. Because of the need for the different hand positions during the ride, the ring allows for different hand positions, movements, quick transition from sitting to standing, and standing back to sitting. It also allows, without the use of an attached arm pad, the ability to lie the forearm on the ring portion of the handlebar and simulate a real training cycling position.

10 The handlebar 8 may be connected to the frame 1 by the front socket 4. A handlebar pop pin 22 permits adjustment of the handlebar 8 according to the requirements of the rider. Figures. 6A, 6B, and 6C shows the holes which permit the connecting member to be arrest-able by a pop pin for adjustment.

15 Applicant contemplates that alternative handlebars may be connected to the frame 1 or 24 in accordance with the rider's needs.

20 The frame 1 or 24 further comprises at least multiple upstanding posts 13. In a preferred form, the posts inter-engage to form at least one triangulated structure 14 between the ground support elements 2 or 3 and one of the sockets.

The frame 1 includes at least two triangulated structures 7 and 14 between the sockets 4, 5, and 12. The two triangulated structures 7 and 14 have at least one common upstanding post 13 forming at least one wall of the triangulated structure 7 and

14. One of the triangulated structures 7 and 14 includes an arm 6A intended to mount the pedal mechanism 6.

The upstanding posts 13 form part of the triangulated structure 7 and 14.

Moreover, the upstanding posts 13 are all located at a non-horizontal, non-vertical axis.

5 The triangulated structures 7 and 14 include the rear triangle 14A which functions to stabilize the frame 1; the bottom bracket triangle 14B which functions to stabilize the frame 1 so a rider can pedal standing; the front triangle-like structure 7 which functions to permit total range of motion; and a front fork triangle 18.

10 The rear triangle 14A is important as a stabilizing block. Unlike conventional stationary exercise bicycles, the small base of this triangle gives the bike its total rigidity in the rear.

15 The bottom bracket triangle 14B gives the central part of the stationary exercise bicycle its rigidity and form for standing. Further, 6A allows for conventional pedal mechanisms (i.e., crankarm and crankset) to be used with a conventional clipless pedal or a regular bicycle pedal and toe clip.

The front triangle-like structure 7 is wide enough to house a flywheel. The front triangle-like structure 7 gives the stationary exercise bicycle its total range of motion moving the flywheel in and out and giving the stationary exercise bicycle its base length or reel length from foot position to foot position.

20 The flywheel is connected to the frame 1 or 24 by the front fork triangle 18.

Further, at least part of the front socket 4, rear socket 5, or seat socket 12 are formed with a hollow member having a cross section being non-cylindrical. The sockets described herein permits a matingly shaped connecting member (such as the handlebar

8, the adjustable and detachable seat 20), the connecting member being arrestable by a pop pin 19, 21, or 22.

The hollow member may have a polygonal cross section (preferably quadratic). For example, in the illustrated example, the polygonal cross section is substantially square.

The seat is adjustable for height and connected to the seat socket 12. The seat post pop pin 19 permits height adjustment of the seat. The fore and aft saddle pop pin 21 permits adjustment of the seat 20 by sliding fore and aft in the seat socket 12.

Because of the adjustability of the seat and the handlebar a rider theoretically may be as tall as 15 feet and weigh up to 900 pounds. The handlebar and seat adjustability provides for a versatile bicycle which can be used by persons of many different physiques, from small, light and short to large, tall and heavy.

The pedal mechanism 6 includes a cog 15 operative with an endless chain 16 having slots for engagement with the cog 15. Additionally, the pedal mechanism 6 includes a ring guard 17 protective of at least the interaction of the teeth of the cog 15 with the endless chain 16. The ring guard 17 is located internally of the perimeter defined by the endless chain 16.

It would be desirable to provide attachments to the present invention. For example, a water bottle may be attached directly to the present invention or indirectly by means of a velcro device or any carrier means for attaching the water bottle to the stationary exercise bicycle.

Additionally, an ergometer may be attached to the present invention. Also, a computer controlled energy measuring and indicating device may be attached to the present invention.

5 The stationary exercise bicycle may comprise a dual chain tension device which is adjustable while the rider is in motion. Moreover, the stationary exercise bicycle may comprise a cable resistance braking system which permits the rider to adjust the resistance of the flywheel. A resistance plate 23 may support a cable to the flywheel.

10 The length and width of the stationary exercise bicycle is appropriate for standing and sitting while pedaling. Additionally, the width is appropriate for pedaling while sitting and for stabilization when the rider pedals while standing and rocking the body from side to side.

15 In a preferred form, the triangulated structures 14A, 14B, 7 stabilizes the stationary exercise bicycle. These triangulated structures form the "integrity" structure of the stationary exercise bicycle.

The symmetry of this machine is very basic. The genius in the present invention is in its simplicity. The present Invention simulates road conditions exactly as if the rider is pedaling a conventional, non-stationary bicycle.

20 Applicant contemplates many other examples of the pre-sent invention each differing by detail only. For example, there are many variations of the sockets described herein. The sockets described herein may not only permit a matingly shaped connecting member to fit inside (such as the handlebar 8, the adjustable and detachable seat 20), the connecting member being arrestable by a pop pin 19, 21, or



22. In fact, the matingly shaped connecting member may be a hollow into which the socket fits, e.g., the rear, front, or seat socket.

Additionally, the handlebar 8 may include at least two different handle means. One handle means includes spaced apart and outwardly directed elements 9. The  
5 second handle means may include an element (e.g., a closed ring) outwardly located relative to the first handle means.

Further, in one form, the frame may have a plurality of segments. Instead of a single unit, the frame may collapse into several units which permits even greater mobility of the stationary exercise bicycle for transport. Each unit of the frame may be  
10 re-assembled using bolts or any other type of well known connecting means.

The above description and drawings are only illustrative. They are not intended to limit in any way the invention as set out in the claims which follow.

Claims:

1. A stationary exercise bicycle comprising:

(a) a frame having a front and a rear ground support element and a front socket and a rear socket;

5 (b) a pedal mechanism on said frame;

(c) a seat socket connected to the rear socket;

(d) a seat mounted on the seat socket at a level above the pedal mechanism, the seat being mounted for movement fore and aft relative to the seat socket and upwardly and downwardly relative to the pedal mechanism.

10 2. A stationary exercise bicycle comprising:

(a) a frame having a front and a rear ground support element and a front socket and a rear socket;

(b) a seat socket connected to the rear socket;

(c) a pedal mechanism on said frame;

15 (d) a handlebar mounted in the front socket, said handlebar including at least two different handle means, the one handle means including spaced apart and outwardly directed elements and a second handle means including an element inwardly located relative to the first handle means.

20 3. A bicycle as claimed in claim 2, wherein the outwardly directed handle means have forwardly extending prongs directed axially away from the seat socket, the

axially directed prongs being connected with a lateral bar of the handlebar at one end and being free at an opposite end.

4. A bicycle as claimed in claim 2, wherein the inner handle means is at least part of a closed ring, the ring being located between the outer handle prongs, and the  
5 ring being connected to a lateral bar of the handlebar.

5. A bicycle as claimed in claim 4, wherein the closed ring is a semi-circle and wherein the axis for the semi-circle is located substantially about midway through the lateral bar of the handlebar.

6. A bicycle as claimed in claim 2 having a seat mounted on the seat socket at a level above the pedal mechanism, the seat being mounted for movement fore and aft relative to the seat socket and upwardly and downwardly relative to the pedal mechanism.

7. A stationary exercise bicycle comprising:

(a) a frame having a front and a rear ground support element and a  
15 front socket and a rear socket;

(b) a seat socket connected to the rear socket; and

(c) a pedal mechanism on said frame;

the frame comprising at least multiple upstanding posts, the posts inter engaging to form at least one triangulated structure between the ground support  
20 elements and one of the sockets.

8. A bicycle as claimed in claim 7 including at least two triangulated structures between the sockets, the two triangulated structures having at least one common upstanding post forming at least one wall of the triangulated structure.

9. A bicycle as claimed in claim 8, wherein one of the triangulated structures includes an arm intended to mount the pedal mechanism.

10. A bicycle as claimed in claim 8, wherein the upstanding posts form part of the triangulated structure, and wherein the upstanding posts are all located at a non-horizontal, non-vertical axis.

11. A stationary exercise bicycle comprising:

(a) a frame having a front and a rear ground support element, a front and a rear socket;

(b) a seat socket connected to the rear socket; and

(c) a pedal mechanism on said frame;

wherein at least part of the front socket, rear socket, or seat socket are formed with a hollow member having a cross section being non-cylindrical.

12. The bicycle as claimed in claim 11, wherein the hollow member is of a polygonal cross section.

13. The bicycle as claimed in claim 12, wherein the polygonal cross section is substantially square.

14. A stationary exercise bicycle comprising:

(a) a frame having a front and a rear ground support elements, a front and a rear socket;

(b) a seat socket;

5 (c) a pedal mechanism on said frame, the pedal mechanism including a cog operative with an endless chain having slots for engagement with the cog; and

(d) a ring guard protective of at least the interaction of the teeth of the cog with the endless chain, the ring guard being located internally of the perimeter defined by the endless chain.

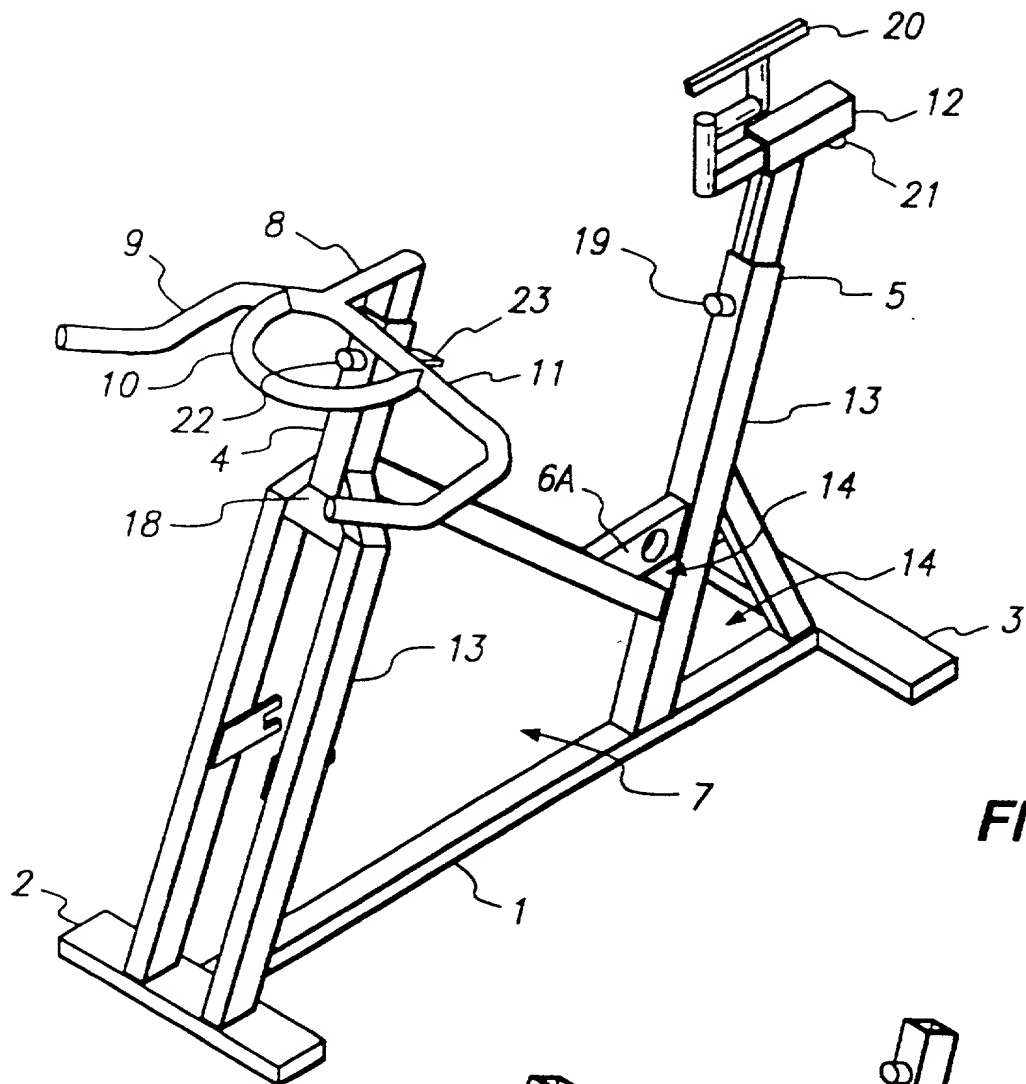
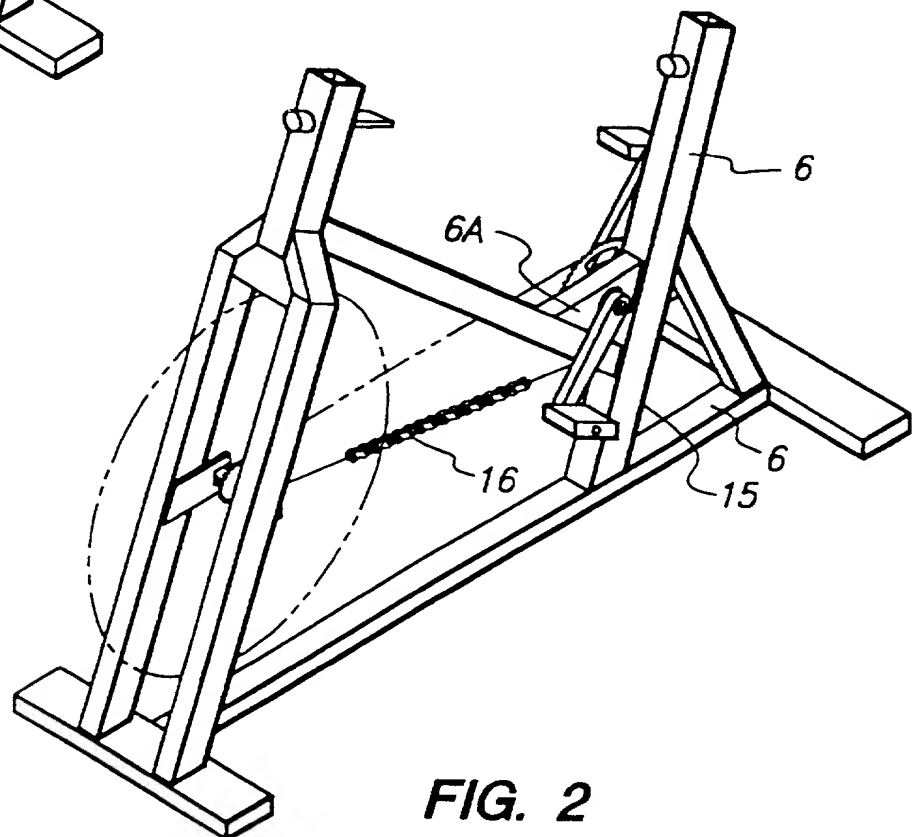
10 15. The bicycle as claimed in claim 11 or 14 having a seat mounted on the seat socket at a level above the pedal mechanism, the seat being mounted for movement fore and aft relative to the seat socket and upwardly and downwardly relative to the pedal mechanism.

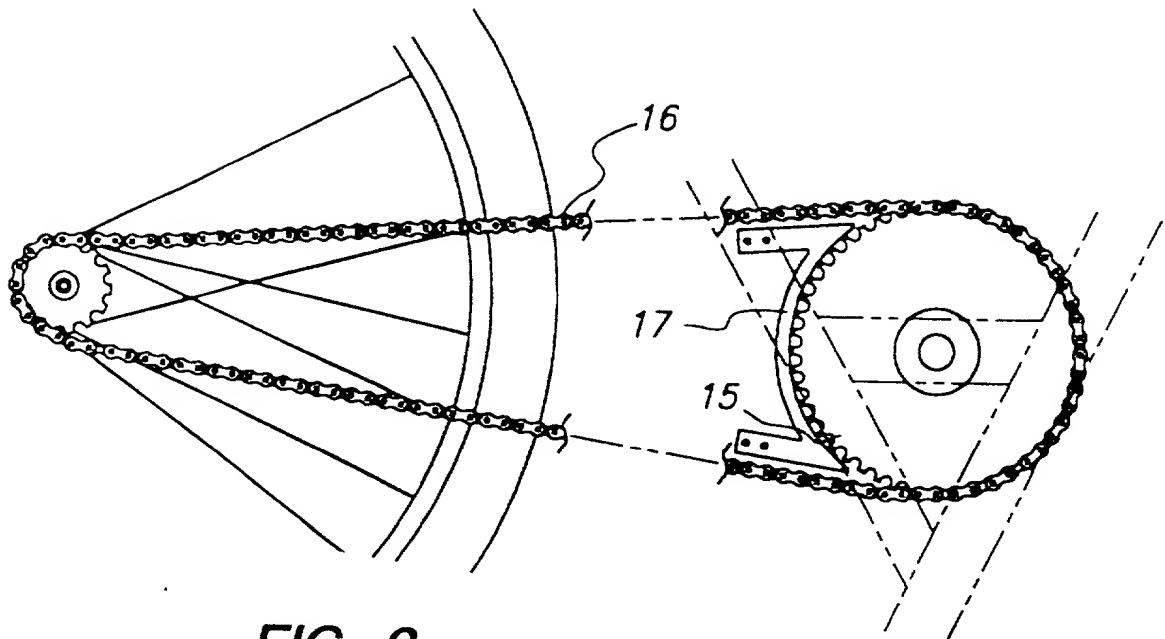
15 16. The bicycle as claimed in claim 11 or 14 having a handlebar mounted in the front socket, said handlebar including at least two different handle means, the one handle means including spaced apart and outwardly directed elements and a second handle means including an element inwardly located relative to the first handle means.

ABSTRACT

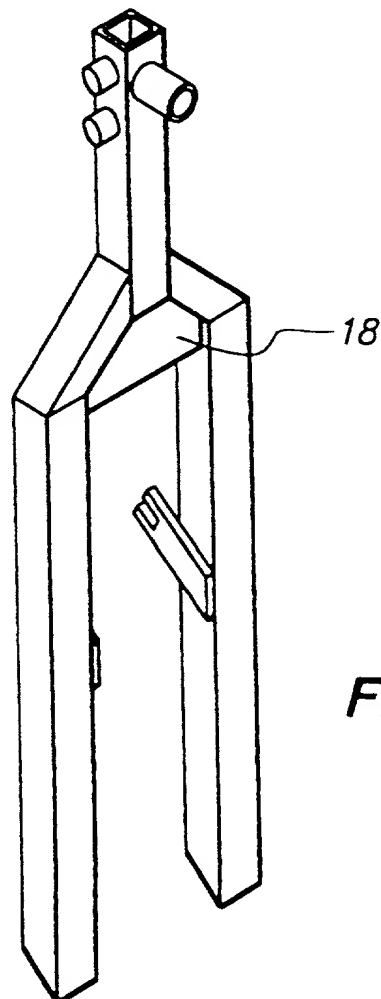
A stationary exercise bicycle comprises a frame having front and rear ground support elements, a front socket and a rear socket, and a seat socket; a pedal mechanism on said frame and a seat mounted on a seat socket at a level above the pedal mechanism, the seat being mounted for movement fore and aft relative to the seat socket, and upwardly and downwardly relative to the pedal mechanism.

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**FIG. 1****FIG. 2**



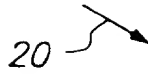
**FIG. 3**



**FIG. 4**

Table 1. Demographic characteristics of the study population	
Age (years)	Mean (SD)
Male	55.2 (10.5)
Female	56.8 (11.2)
Marital status	
Married	78.5%
Single	21.5%
Divorced	0.5%
Widowed	0.5%
Education level	
High school or less	45.2%
College	54.8%
Occupation	
Professional	32.1%
Managerial	28.5%
Technical	15.3%
Service	12.7%
Unemployed	9.2%
Retired	2.2%
Health status	
Good	65.4%
Fair	23.1%
Poor	11.5%
Very poor	0.0%
Smoking status	
Smoker	38.7%
Non-smoker	61.3%
Alcohol consumption	
Regular	12.5%
Occasional	25.3%
Never	62.2%
Family size	
1-2	35.6%
3-4	42.1%
5-6	18.9%
7 or more	3.4%
Income level	
Low	28.3%
Medium	45.7%
High	26.0%



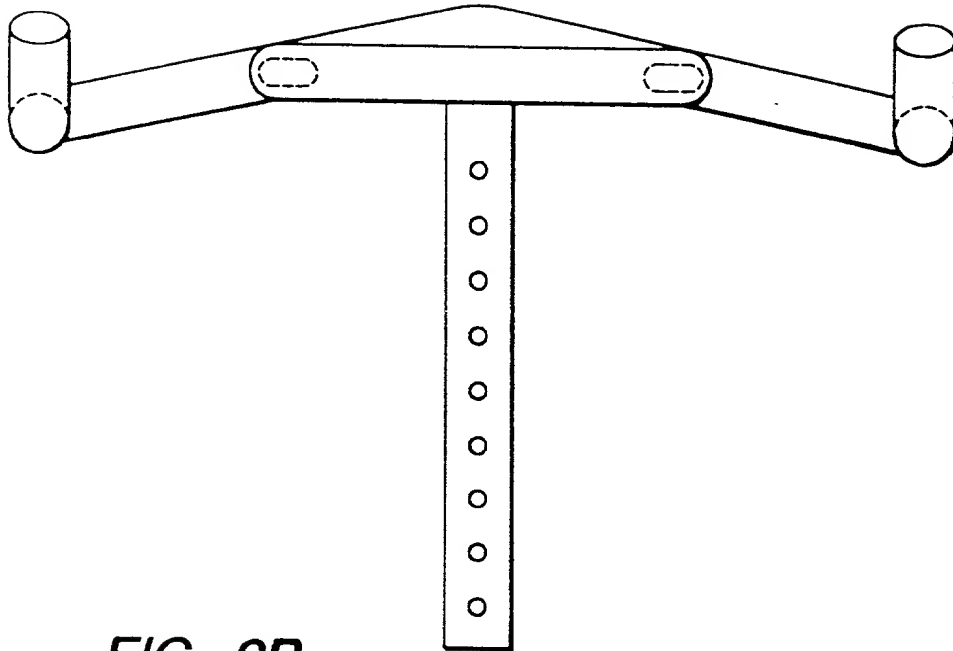


12

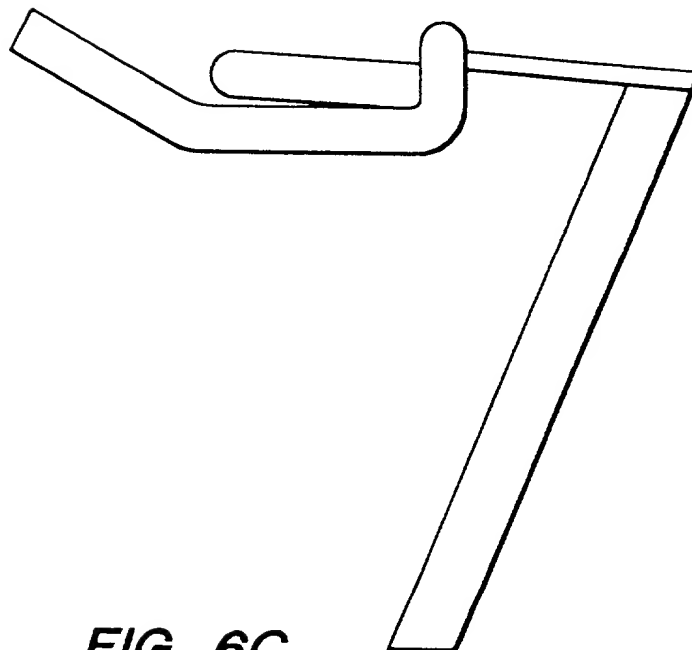


9B

9A



**FIG. 6B**



**FIG. 6C**



DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION

As the below-named inventor, I hereby declare that:

My residence, post office address and citizenship is as stated  
below next to my name.

I believe that I am the original and first inventor of the  
subject matter which is claimed and for which a patent is  
sought on the invention entitled "A STATIONARY EXERCISE  
BICYCLE" the specification of which:

  X   - is attached hereto.

                     was filed on                     .

Application Serial Number:

and was amended on (or amended through)                     .  
(if applicable)

I hereby state that I have reviewed and understand the  
contents of the above-identified specification, including the  
claims, as amended by any amendment(s) referred to above.

I acknowledge the duty to disclose information which is  
material to the examination of this application in accordance  
with Title 37, Code of Federal Regulations, Sec. 1.56(a).

I hereby declare that all statements made herein of my own  
knowledge are true and that all statements made on information  
and belief are believed to be true; and further that these  
statements were made with the knowledge that willful false  
statements and the like so made are punishable by fine or  
imprisonment, or both, under Section 1001 of Title 18 of the  
United States Code and that such willful false statements may  
jeopardize the validity of the application or any patent  
issued thereon.

0950934153US

Copy of oath submitted in parent application S/N 09/019,352 intended for the attached application submitted herewith.

Post Office Address: 2071 Holmby Avenue  
Los Angeles, California 90025

**POWER OF ATTORNEY  
By Assignee**

Mad Dogg Athletics, Inc., assignee(s) of the application for United States Letters Patent for a  
Stationary Exercise Bicycle Having a Rigid Frame  
by Johnny Goldberg.

the specification of which.

- ☐ is filed herewith, OR  
☒ was filed on February 5, 1990, having U.S. Patent Application Serial No. 09/019,352.

hereby revokes all previous Powers of Attorney and appoints as my attorneys and/or agents, with full power of substitution and revocation, to prosecute this application and transact all business in the United States Patent and Trademark Office, and in countries other than the United States, and to do all things necessary or appropriate therefor before any competent International Authorities in connection with any international patent application(s) corresponding to the above-identified application, Laura M. Burson, Reg. No. 40, 929 and all of the registered practitioners identified by Customer Number 22249:



**22249**

PATENT TRADEMARK OFFICE

LYON & LYON LLP  
Suite 4700  
633 W. Fifth Street  
Los Angeles, CA 90071  
(213) 489-1600

Please send all correspondence to the attention of Laura M. Burson, at the above Customer Number, and direct all telephone calls to 213-955-0308.

I, the undersigned, declare that I have reviewed copies of the documentary evidence establishing chain of title to the patent application identified above from the inventor(s) to the assignee(s), which:

- ☐ is filed for recordation herewith; or  
☒ was recorded at Reel 9837, Frame 0697; or  
☐ has been sent for recordation under separate cover, copy attached herewith.

To the best of the undersigned's knowledge and belief, title is in the assignee(s) identified above. Furthermore, the undersigned is empowered to sign this document on behalf of the assignee(s).

Full Name of Assignee: Mad Dogg Athletics, Inc.	
Post Office Address: 2111 Narcisus Court, Venice CA 90291	
Signature of Declarant or Assignee: 	Date: 4/26/00
Full Name of Declarant If Other Than Assignee: JOHN R. BAUDHUIN	
Title of Declarant: PRES/CEO	
Address of Declarant: 2111 NARCISUS CT. VENICE, CA 90291	